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(71)Applicant : MITSUBISHI PETROCHEM CO LTD

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(72)Inventor : YOKOYAMA MASUZO

TAKAHASHI HAJIME

KAGEYAMA YOSHITERU

(54) PREPARATION OF ETHYLENE POLYMER

(57)Abstract:

PURPOSE: To prepare the title polymer suitable for blow molding, etc., and having excellent whiteness and heat stability, without de-ashing process, by the use of a highly active polymerization catalyst comprising a solid component obtained by calcining a reaction product of a specific Cr compound and a Ti compound.

CONSTITUTION: Ethylene is polymerized in the presence of a catalyst comprising (A) a solid component obtained by calcining a reaction product of dialkyl chromate with titanium tetraalcoholate supported on an inorganic oxide carrier such as silica, etc., and (B) a reaction product of hydrocarbyl polysiloxane with trialkylaluminum or alkylaluminum halide.

EFFECT: As the catalyst has high activity, the amount of the catalyst can be reduced and the de-ashing process can be eliminated.

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